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ABSTRACT

THE FOLLOWING IS THE FULL TEXT OF THIS DOCUMENT: MATH AND BEYOND is a schoolwide math incentive program designed to encourage students--and their parents--to investigate and explore the world of mathematics beyond those experiences provided during the school day. The program focuses on experiences and activities in seven different areas of math: brain teasers, puzzles, and math games; problem solving; drill time; math art; consumer math; measurement; and calculator math. All students receive a personalized "floppy disk" used in charting their progress on a large bulletin board. The bulletin board, located centrally at the school site, depicts a computer circuitry board. Students must complete the appropriate level of materials to meet the requirements for advancement to a succeeding area on the board. The extensive use of manipulatives is incorporated into many of the activities. Student materials include directions for activities and suggestions for parent involvement. For their accomplishments, students are given awards such as 'computer' pencils; the highest award is a gold medal. The MATH AND BEYOND program has been developed in response to the existing need to meet future technological challenges. "The Handbook for Planning an Effective Mathematics Program," designed by the California State Department of Education, has served as a guide in developing program materials. Student benefits from MATH AND BEYOND have been cited as--(1) an increase in student ability in mathematics; (2) an increase in student enjoyment in mathematics and an improved attitude toward math; (3) an increase in the time spent in math-related activities; and (4) the development of positive parent-school-child relationships. This document was selected by the Association of California School Administrators (ACSA) Task Force on Public Confidence as descriptive of a promising practice or exemplary project worthy of highlighting for the California educational community. (Author)

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MATH AND BEYOND

Solana Beach Elementary School District
Solana Beach, California

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OUTSTANDING PROGRAM DESCRIPTION FORM

Name of School, District or Agency Solana Beach School District Grade Levels K - 6

Address 309 N. Rios Avenue Telephone (619) 755-8000

City Solana Beach State CA Zip 92075

Name of Contact Person Ellie Topolovac, Coordinator ACSA Region 18

Name of Course, Program, Project or Policy MATH AND BEYOND

Date of Operation of Program or Project Presently in operation.

In 300 words or less please describe your program specifically enough for others to follow. Please include your program's
(1) primary purpose (how it benefits students)
(2) participants (grade levels of students, professional staff, community persons, etc)
(3) evaluation data (if available)

MATH AND BEYOND is a schoolwide math incentive program designed to encourage students--and their parents--to investigate and explore the world of mathematics beyond those experiences provided during the school day. The program focuses on experiences and activities in seven different areas of math: brain teasers, puzzles, and math games; problem solving; drill time; math art; consumer math; measurement; and calculator math. All students receive a personalized "floppy disk," used in charting their progress on a large bulletin board. The bulletin board, located centrally at the school site, depicts a computer circuitry board. Students must complete the appropriate level of materials, to meet the requirements for advancement to a succeeding area on the board. The extensive use of manipulatives is incorporated into many of the activities. Student materials include directions for activities and suggestions for parent involvement. For their accomplishments, students are given awards such as 'computer' pencils; the highest award is a gold medal.

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NAME Eleanor R. Topolovac DATE Jan 23 1984

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